



51-... Gel Time Measurement Devices

Standards

ASTM D3451, ASTM D3532, ASTM D4217, CAN/CSA-Z245.20, DIN 16 916, DIN 55 990, EN ISO 8130-6, DIN EN ISO 8987, ISO 21809-2, DIN 30 670



1 polished hollow



2x2 polished hollows



plain plate

Application

Instruments for determination of gel time and hardening characteristics of powder coatings and resins

Features

The exact surface temperature control and the integrated digital stop watch enable the user to produce repeatable and comparable gel times. Using a measuring spoon the specimen is filled into the polished hollows of the tempered heating plate. Simultaneously the integrated stop watch is turned on. The test piece is stirred with a stirring needle until there are no threads when pulling out the needle. When this point is reached, the watch is stopped and the gel time is read off.

Technical Data

Temperature control	micro processor controller, digital temperature display
Temperature range	+60 ... +250°C
Display accuracy	± 0.1 °C
Digital stop watch	1 sec ... 24 h

Dimensions and Connection

Dimensions (WxDxH)	450 x 220 x 240 mm
Weight	approx. 10 kg
Mains	230 V, 50/60 Hz (optional 115 V, 50/60 Hz)
Power	450 VA

This device no longer comes equipped with an analogue output for the connection of a chart recorder.



Main device configurations

Item no.	Description
51-100	GT 16, 1 polished hollow Ø 16 mm, 230 V, 50/60 Hz
51-100/115	GT 16, 1 polished hollow Ø 16 mm, 115 V, 50/60 Hz
51-104-002	GT 20, 1 polished hollow Ø 20 mm, 230 V, 50/60 Hz
51-104-002/115	GT 20, 1 polished hollow Ø 20 mm, 115 V, 50/60 Hz
51-103	GT 16/20, polished hollows 2x Ø 16 mm, 2x Ø 20 mm, 230 V, 50/60 Hz
51-103/115	GT 16/20, polished hollows 2x Ø 16 mm, 2x Ø 20 mm, 115 V, 50/60 Hz
51-100-001	GT 16, 4 polished hollows Ø 16 mm, 230 V, 50/60 Hz
51-100-002	GT 16, 4 polished hollows Ø 16 mm, 115 V, 50/60 Hz
51-104	GT 20, 4 polished hollows Ø 20 mm, 230 V, 50/60 Hz
51-104/115	GT 20, 4 polished hollows Ø 20 mm, 115 V, 50/60 Hz
51-108	GT 100, plain plate 100 x 100 mm, 230 V, 50/60 Hz
51-108/115	GT 100, plain plate 100 x 100 mm, 115 V, 50/60 Hz
51-109-001	GT 150, plain plate 150 x 150 mm, 230 V, 50/60 Hz
51-109-001/115	GT 150, plain plate 150 x 150 mm, 115 V, 50/60 Hz

Accessories



Item no.	Description
51-114	Dust cover with door made of acryl glass
51-126	Handle for stirring pins Ø 1 mm
51-125	Handle for stirring pins Ø 2 mm
51-127	Stirring pins made of stainless steel Ø 1 mm (1 pack = 100 pieces)
51-128	Stirring pins made of stainless steel Ø 2 mm (1 pack = 100 pieces)
51-130	Stirring pins made of glass Ø 2 mm (1 pack = 100 pieces)
51-131	Measuring spoon for samples 200 mg (±10 mg)
51-136	Cleaning scraper brass Ø 16 mm for hollows
51-137	Cleaning scraper brass Ø 20 mm for hollows
51-138	Draw down tool for Gel Testers (plain plates)